Approved For Release 2003/01/30 : CIA-RDP81B00878R000600030155-7											
LOCKHEED AIRCRAFT CORP.				ENGIN	ENGINEERING STUDY			<b>89</b> 30. 28%			
				CHANG	CHANGE PROPOSAL X			1,			
DATE 6-6-61			AFFEC	TS:	WSPO			JECT			
NAME OF	MAJOR C	OMPONEN	IT PAR	OR LOW	EST SUBA	SSEMBLY	P.A	RT NO. &	MODEL OF	R TYPE	
TITLE OF PROPOSAL:  OXYGEN SYSTEM IMPROVEMENTS											
NATURE OF PROPOSAL:											
SEE PAGE 2											
						•					
•						4					
		9. •	ircraft (	ימיל ממר	and only	05h - ==	e Ttem	<b>4.)</b> .		, .	
*(Revi	sed to 1	uctnae a	ircrait	300/ (ST	and 394/		e roem	· · /			
2. 3.	opening eliminat Removing tation o Relocati the cock	connector e high pr the coc f indica ng the m pit to the	rs and the ressure of the kpit low ted pressodified the Q-bay	he on-of surges a pressur sures. pressure within	f featur nd resul e gage t reducer a box fo	e of the ting adi o preven s and (i	pressu abatic t possi mproved tion ag	resent au re reduce heating. ble misir ) relief ainst gre ygen will	rs to terpre- valves f ease and	dirt.	
FC			TIME INVO								
At			REQUIRED		*C - T				<u>,,,,</u>		
CP			KITS OR P. REQUIRED		*See Pa	g <del>e</del> 3 SP-1917)	<b>,</b>				
						//					
HEMS AF	FECTED BY					*****	40 4 13 17 7	SERVICE	FLIGHT	MAINTE-	
SAFETY	MISSION EFFEC- TIVENESS	PERFORM- ANCE	OPERATING PROCEDURE	INTER- CHANGE- ABILITY	WEIGHT OR WEIGHT & BALANCE	TOOLS & SUPPORT EQUIPMENT	MAINTE- NANCE PROCEDURE	LIFE	MANUAL	NANCE MANUAL	
EST. MAN/HRS. REQ'D. TO ACCOMPLISH CHANGE IN FIELD											
SOURCE OF PARTS FOR KIT  AVAILABILITY 17 WEEKS AFTER APPROVAL  **Completed**											
DISPOSITION OF SPARES AFFECTED Press. Switches re-usable as is: Press. Reducers											
1	ion of si							er Valve			
INITIATE		**************************************			l i	ROVED:	WSPO				
Approved For Release 2003/01/30 : CIA-RDP81B00878R000600030155-7 ILLEGIB											

PAGE 1 OF 3

SP-E-1A

## NATURE OF PROPOSAL:

- 1. Modify all aircraft (except 388/721 and 394/954) as follows:
  - a. Cockpit Remove all oxygen plumbing and system components
    except the high pressure gage and the indicator lights in the L.H.
    side instrument panel. Replace the present Oxygen Console with
    a new Console Assembly (Lo-pressure only) which includes the two
    existing pressure switches, and two new slow opening needle valves
    for controlling the "primary" and "secondary" low pressure systems.
    (See Figure 1.)
  - b. Q-Bay Install Box Assembly (dirt and grease shield) which includes new improved relief valves, and reworked pressure reducers.
    - NOTE: Existing pressure reducers will be reworked by removing the "on-off" handle, adding metal diaphragms and metal-to-metal seats. (Valve bodies will be unpainted aluminum on future production). The new relief valves will have a flow rating compatible with system capacity and will be vented overboard.
  - c. Oxygen Cylinders Remove the existing automatic opening cylinder valves and replace with slow opening needle valves and pressure gages on each cylinder.
  - d. Modify plumbing to connect relocated system elements. Special fittings will be utilized to reduce to a minimum, the number of high and low pressure line connections. Revised installation procedure will require application of anti-sabotage paint to certify the security of each plumbing connection.

## NATURE OF PROPOSAL: (Cont.)

- 2. Prepare and issue a Service Bulletin.
- 3. Fabricate appropriate aircraft provisioning kits.
- \*4. Modify aircraft 388/721 and 394/954 as follows:
  - a. Cockpit Same as Item 1.a. except see Figure 2.
  - b. Q-Bay Install improved relief valve and rework pressure reducers

    for both pilot and equipment operator in existing equipment operators

    left-hand side console.

NOTE: Existing pressure reducers will be reworked by removing the "on-off" handle. (Valve bodies will be unpainted aluminum on future production). The new relief valves will have a flow rating compatible with system capacity.

- c. Oxygen Cylinders Same as Item 1.c.
- d. Plumbing Same as Item 1.d.
- e. Prepare and issue Service Bulletin 544.
- f. Fabricate appropriate aircraft kits.
- g. Service Bulletin 544 has already been installed in 388/721 and 394/954.

Customer #2 - 2 kits	Total Cost	ILLEGIB

